

omay® G42

PC Film

Suzhou OMAY Optical Materials Co., Ltd

Message:

Velvet/Matte

General Information			
UL File Number	E249605		
Appearance	Matte Finish		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage - Flow (150°C)	0.50 to 0.70	%	ASTM D1204
Surface Tension	> 38	mN/m	
Pencil Hardness	2B - B		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	62.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	2330	MPa	ISO 178
Flexural Stress	88.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	-60.0 to 125	°C	UL 746B
Brittleness Temperature	-135	°C	ASTM D746
Glass Transition Temperature	153	°C	ISO 11357-2
CLTE - Flow	5.8E-5	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.20	W/m/K	ASTM D5470
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Dielectric Strength	30	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method

V-2

Flame Rating	VTM-2		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance	88.0	%	ASTM D1003
Haze	> 80	%	ASTM D1003

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